



MEDICAL DEVICE WITH POSITION SENSOR HAVING CORE WITH HIGH PERMEABILITY MATERIAL FOR DETERMINING LOCATION COORDINATES  
INVENTOR: ASSAF GOVARI  
SN: 09/882,125; BIO-121  
ATTY: LOUIS J. CAPEZZUTO; PHONE: (732) 524-2218

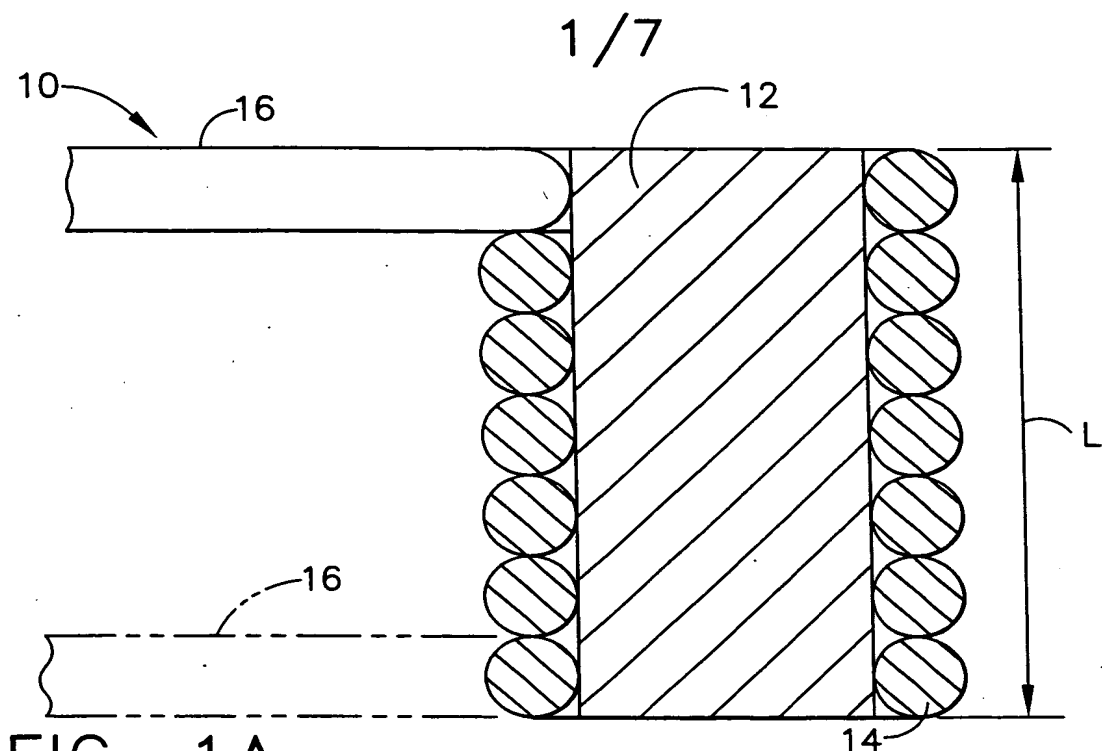


FIG. 1A

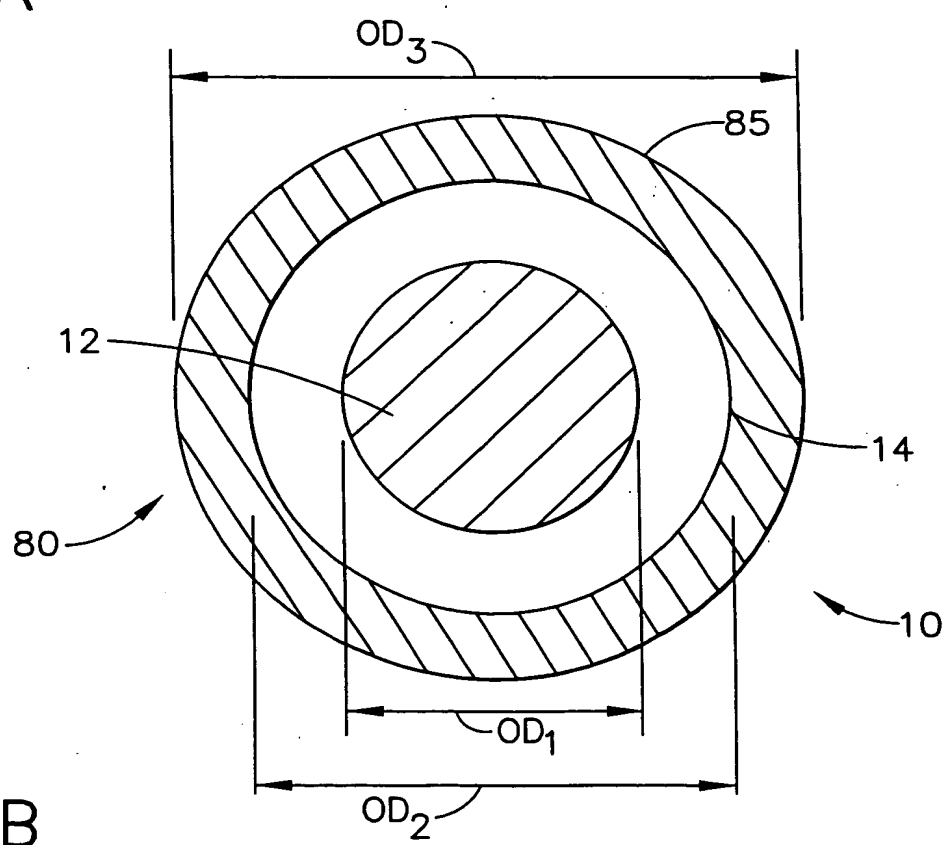


FIG. 1B

MEDICAL DEVICE WITH POSITION SENSOR HAVING CORE WITH HIGH  
PERMEABILITY MATERIAL FOR DETERMINING LOCATION COORDINATES

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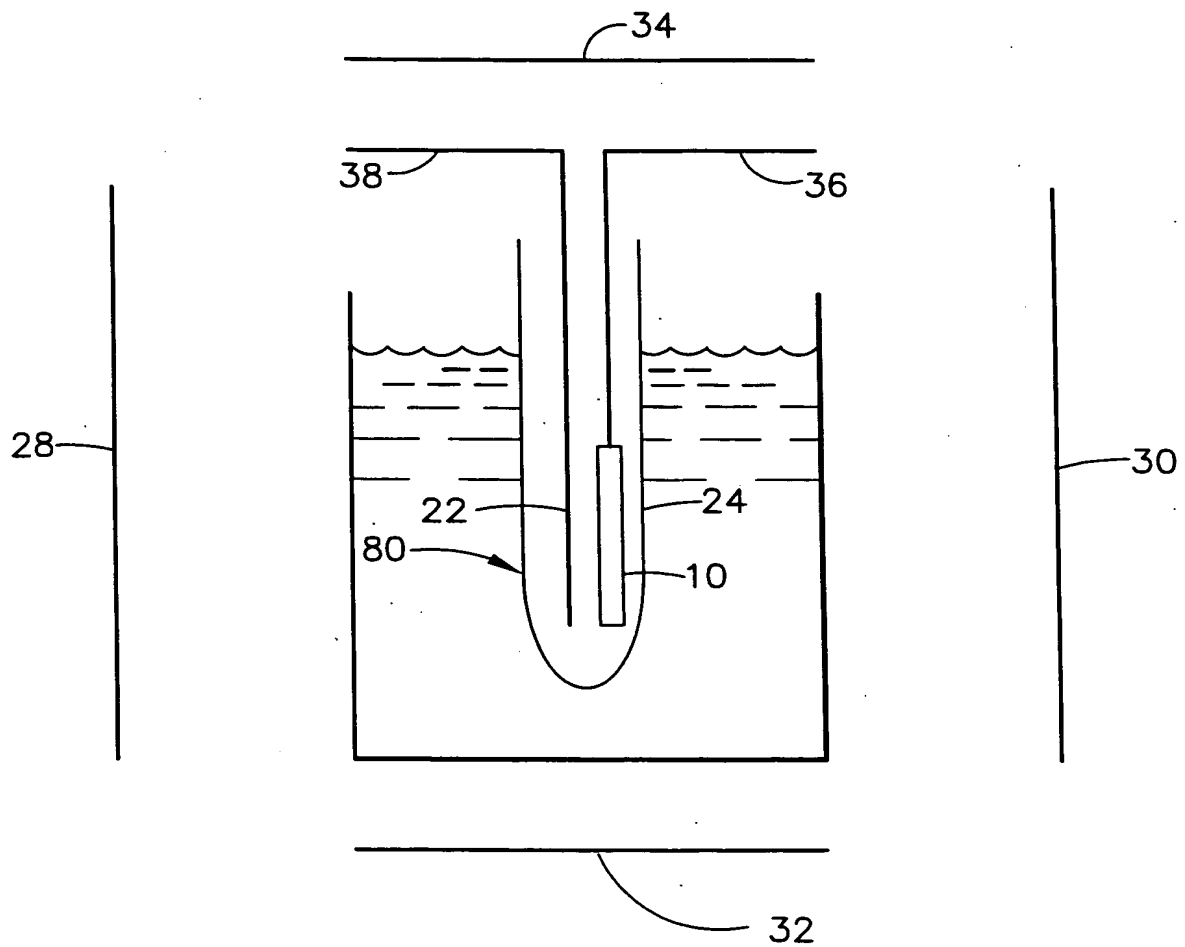


FIG. 2

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REGRESSING HEAT EXPERIMENT SENSOR 2

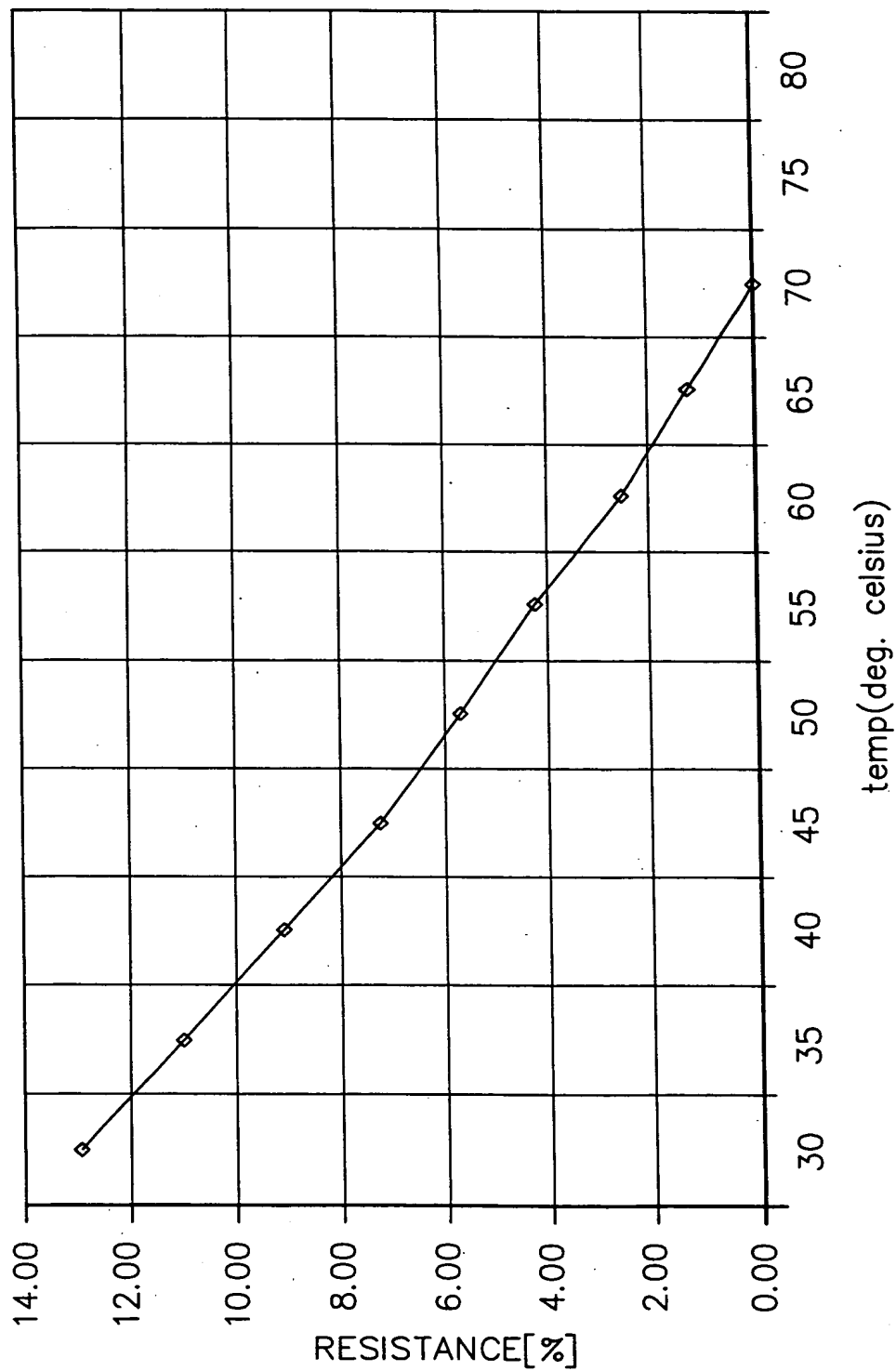


FIG. 3A

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REGRESSING HEAT EXPERIMENT SENSOR 2

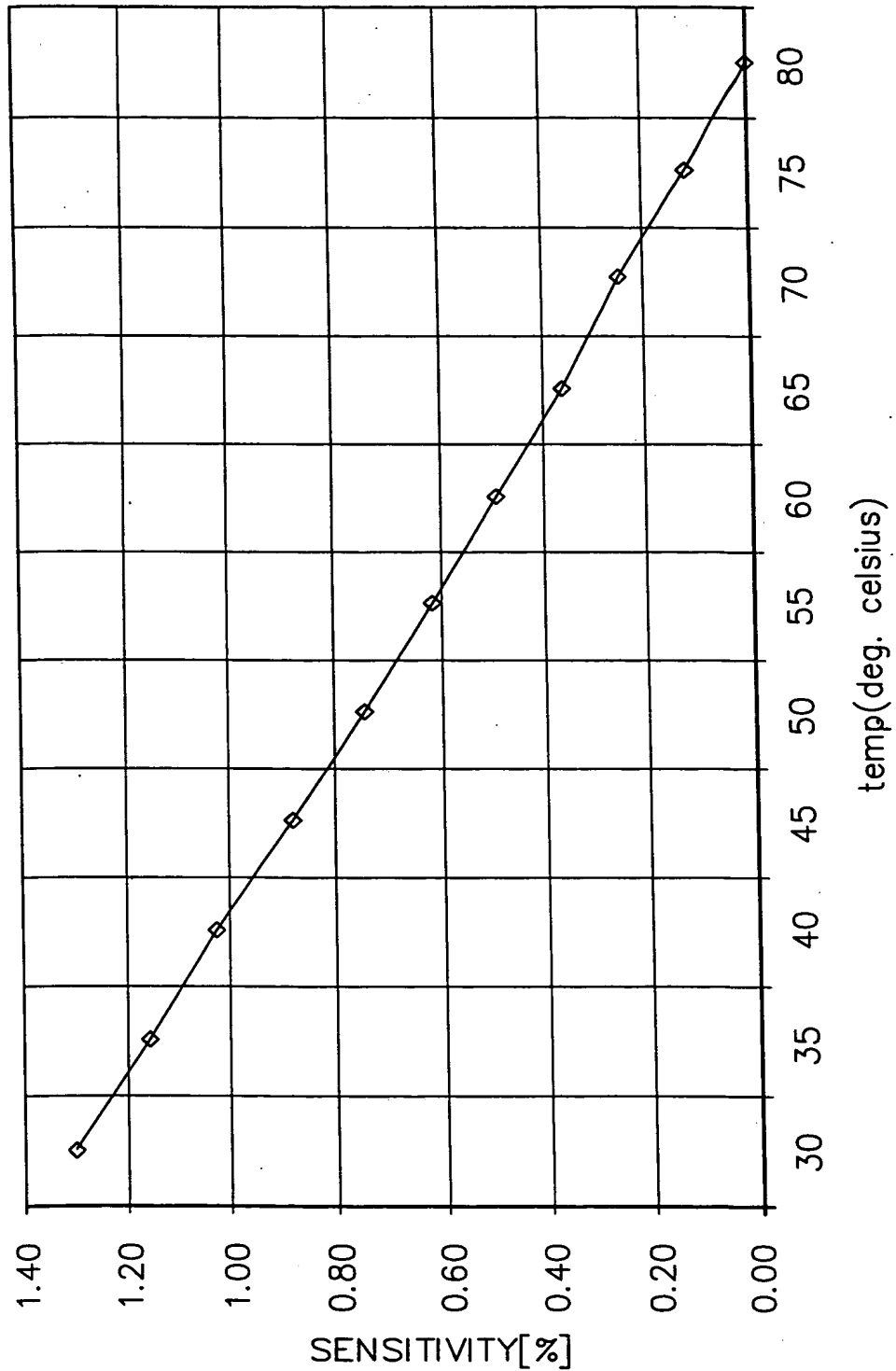


FIG. 3B

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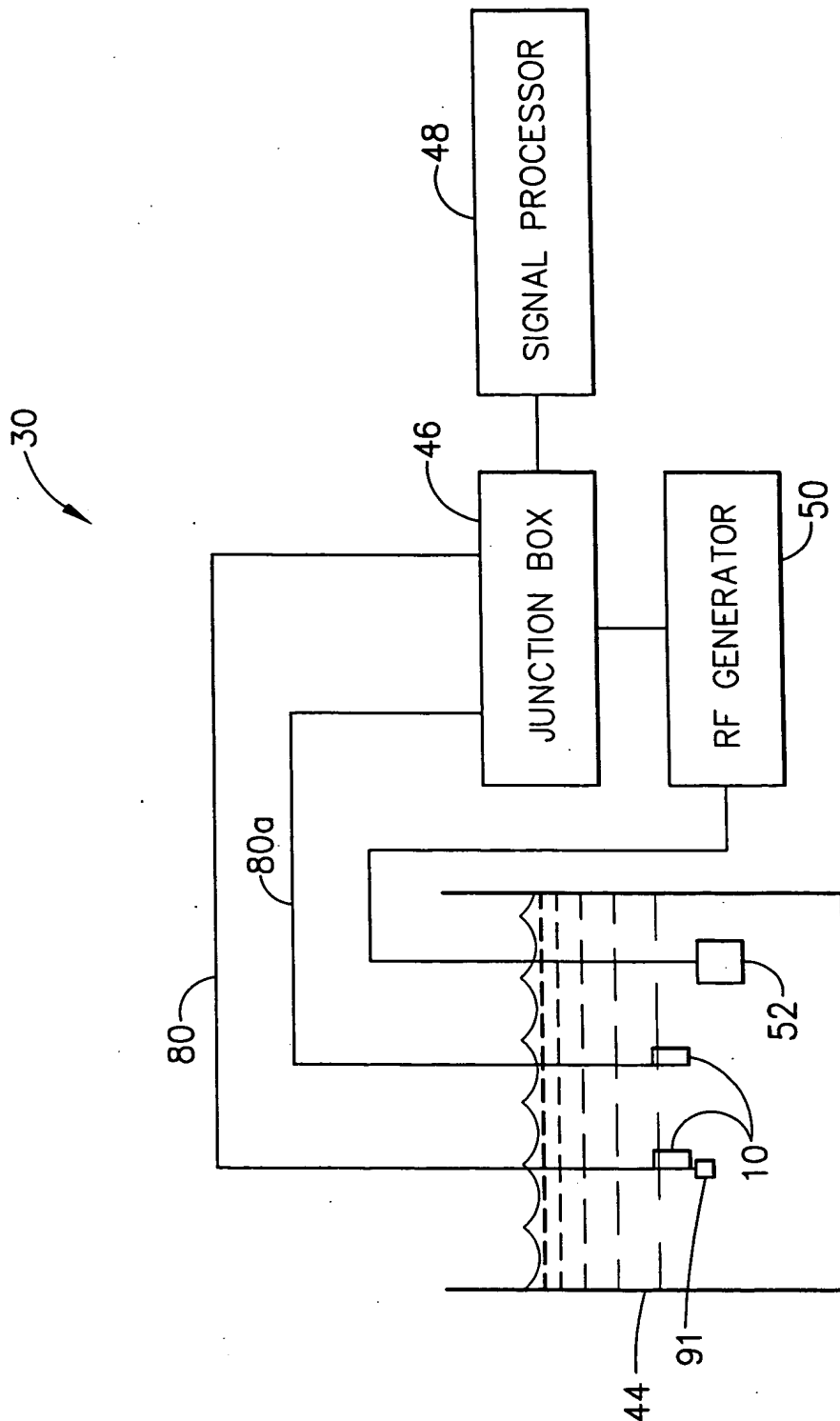


FIG. 4

MEDICAL DEVICE WITH POSITION SENSOR HAVING CORE WITH HIGH  
PERMEABILITY MATERIAL FOR DETERMINING LOCATION COORDINATES

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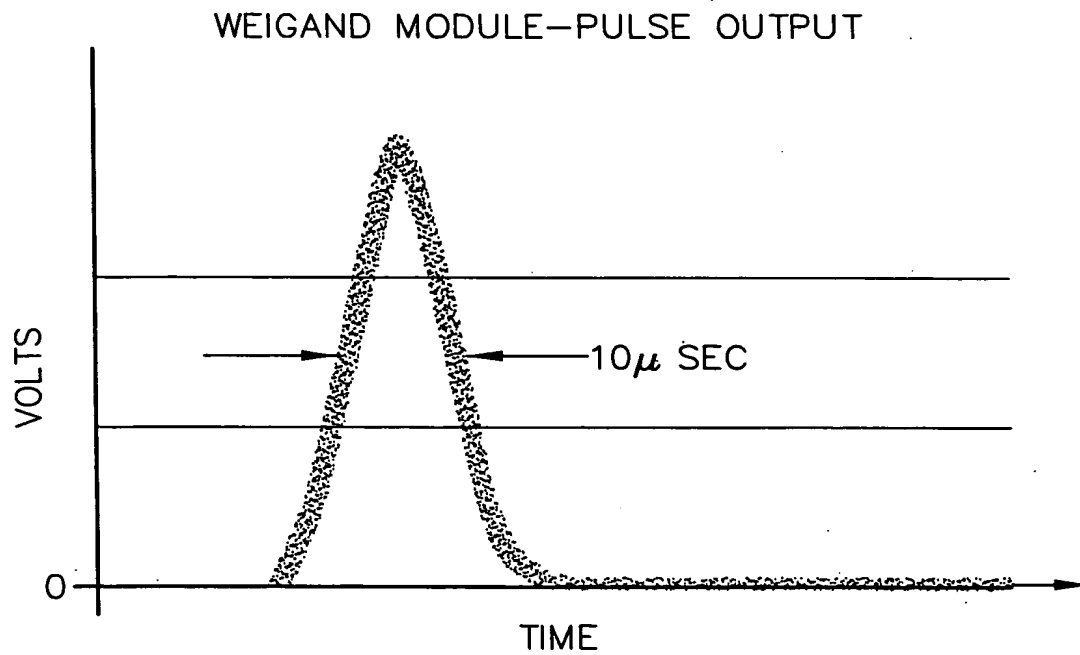


FIG. 5

ATTY: LOUIS J. CAPEZZUTO; PHONE: (732) 524-2218

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	1		2		3		4									
	sensitivity	resistance	sensitivity	resistance	sensitivity	resistance	sensitivity	resistance								
30	2.6290	1.39	176.30	12.59	2.3925	1.30	165.20	12.89	2.4537	1.31	171.80	13.17	2.6864	1.26	185.60	13.25
35	2.6327	1.25	178.90	10.96	2.3958	1.18	168.00	11.01	2.4567	1.18	174.30	11.42	2.6896	1.14	188.90	11.28
40	2.6356	1.13	181.80	9.19	2.3990	1.03	171.00	9.06	2.4598	1.06	177.20	9.50	2.8728	1.03	192.10	9.42
45	2.6390	1.00	184.40	7.65	2.4025	0.86	173.90	7.25	2.4632	0.92	179.90	7.95	2.8765	0.90	194.90	7.85
50	2.6419	0.89	187.40	5.92	2.4057	0.74	176.40	5.73	2.4670	0.76	182.80	6.95	2.8801	0.77	197.80	6.27
55	2.6457	0.75	190.40	4.25	2.4087	0.62	178.90	4.25	2.4705	0.62	185.30	4.80	2.8838	0.64	200.80	4.58
60	2.6489	0.63	192.80	2.96	2.4116	0.50	181.80	2.59	2.4744	0.45	188.20	3.19	2.8875	0.52	203.80	3.14
65	2.6519	0.51	195.80	1.38	2.4148	0.36	184.30	1.19	2.4774	0.34	191.80	1.25	2.8913	0.38	207.30	1.40
70	2.6567	0.37	198.50	0.00	2.4176	0.25	186.50	0.00	2.4799	0.24	194.20	0.00	2.8952	0.25	210.20	0.00
75	2.6599	0.21			2.4207	0.12			2.4833	0.10	196.40		2.8986	0.13	212.20	
80	2.6555	0.00			2.4236	0.00			2.4859	0.00			2.9024	0.00		
slope	-0.0266	-0.3165			-0.0250		-0.3233		-0.0289		-0.3305		-0.0254		-0.3279	

5				6				7				8			
	sensitivity	resistance		sensitivity	resistance		sensitivity	resistance		sensitivity	resistance		sensitivity	resistance	
30	3.3480	1.00	235.7	12.16	2.4057	1.25	167.4	13.02	2.4290	1.32	160.32	20.27	2.5002	1.11	175.40
35	3.3506	0.92	239.3	10.49	2.4061	1.15	169.6	11.56	2.4319	1.20	161.70	19.23	2.5029	1.00	177.40
40	3.3533	0.84	242.8	8.90	2.4108	1.04	171.9	10.06	2.4356	1.05	166.30	15.94	2.5053	0.91	179.20
45	3.3568	0.74	246.7	7.17	2.4141	0.90	174.7	8.30	2.4387	0.92	171.00	12.75	2.5070	0.84	180.60
50	3.3605	0.62	250.9	5.38	2.4157	0.79	177.3	6.71	2.4428	0.75	172.90	11.51	2.5093	0.75	183.50
55	3.3642	0.51	254.4	3.93	2.4196	0.66	179.6	5.35	2.4452	0.61	174.10	10.74	2.5134	0.58	185.10
60	3.3674	0.42	258.7	2.20	2.4232	0.52	182.2	3.84	2.4494	0.48	183.90	4.84	2.5157	0.49	191.40
65	3.3708	0.32	261.7	1.03	2.4265	0.38	184.6	2.49	2.4516	0.39	190.20	1.37	2.5168	0.45	194.10
70	3.3749	0.20	264.4	0.00	2.4293	0.27	186.9	1.23	2.4546	0.25	192.80	0.00	2.5215	0.26	196.00
75	3.3780	0.10	267.9		2.4326	0.13	189.2	0.00	2.4580	0.13			2.5247	0.13	
80	3.3815	0.00			2.4358	0.00			2.4511	0.00			2.5280	0.00	
slope	-0.205		-0.3124		-0.0253		-0.2934		-0.0266		-0.5271		-0.0219		-0.3069

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